



CLAIMS PENDING IN APPLICATION SERIAL NO.: 09/162,735 (CP)

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Technology Center #100

A network client, comprising:  
a scanner component accessing an input content stream representing at least one layout source document via a network connection to extract renderable content from said layout source document;

a parsing component coupled to said scanner component for parsing said renderable content, said renderable content containing both malformed and well-formed expressions; and

a replaceable document type definition component configured to control said parsing component based on a particular layout document type definition corresponding to a particular grammar to transform said renderable content into well-formed objects to be processed by a content model based on said particular grammar, said replaceable document type definition component being replaceable during execution of said network client.

2. The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular document type definition which corresponds to a definition for HTML documents.
3. The network client according to claim 1, where said replaceable document type definition component is configured to control said parsing component based said particular document type definition which corresponds to a definition for XML documents.
4. The network client according to claim 1, wherein said network connection is one that receives said content stream from an Internet site.
5. The network client according to claim 4, wherein said Internet site is a world wide web site.
6. The network client according to claim 1, wherein said grammar defines a well-formed document parsable by said parsing component.

7. A method for manifesting content received via a network, comprising the following steps:

accessing an input content stream via a network connection to receive renderable content from said input content stream, said input content stream representing at least a layout source document, said renderable content containing both malformed and well-formed expressions;

receiving a replaceable layout document type definition related to said renderable content;

parsing said renderable content based on said replaceable type definition to generate a well-formed content model; and

manifesting said content model within a data processing environment.

8. The method according to claim 7, wherein said replaceable document type definition controls said parsing step to parse HTML type documents.

9. The method according to claim 7, wherein said replaceable document type definition component is configured to control said parsing step to parse a particular document type definition which corresponds to a definition for XML documents.

10. The method according to claim 7, wherein said network connection is one that receives said content stream from an Internet site.

11. The method according to claim 10, wherein said Internet site is a world wide web site.

12. The method according to claim 7, wherein said grammar defines a well-formed document parsable during and parsing step.

13. A method of using a personal computing system equipped with a network client, comprising the following steps:

executing a network client to access an network server system to receive data

therefrom, said network client including a scanner component for accessing said network server to receive an input content stream containing a layout source document and to extract renderable content from said layout source document, a parsing component coupled to said scanner component for parsing said renderable content, and a replaceable document type definition component configured to control said parsing component based on a particular document type definition corresponding to a particular grammar, said replaceable document type definition component being replaceable during execution of said network client, said renderable content containing both malformed and well-formed expressions;

causing said scanner component to access said layout source document of said input content stream via a network connection to extract said renderable content therefrom;

receiving said replaceable document type definition related to said renderable content via said network connection;

causing said parsing component to parse said renderable content to transform said renderable content into well-formed objects based on said replaceable type definition to generate a content model; and

manifesting said content model within said personal data processing system.

14. The method according to claim 13, wherein said replaceable document type definition controls said parsing step to parse HTML type documents.
15. The method according to claim 13, wherein said replaceable document type definition component is configured to control said parsing step to parse a particular document type definition which corresponds to a definition for XML documents.
16. The method according to claim 13, wherein said network connection is one that receives said content stream from an Internet site.
17. The method according to claim 16, wherein said Internet site a world wide web site.
18. The method according to claim 13, wherein said grammar defines a well-formed document parsable during said parsing step.

19. The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular document type definition which corresponds to a definition for RTF documents.
20. The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular document type definition which corresponds to a definition for PDF documents.
21. The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component to transform said malformed expressions into well-formed expressions.